| <br>ex of Claims |  |
|------------------|--|
|                  |  |

| Appl | ication/Control | No. |
|------|-----------------|-----|

10/016,913

Examiner

Sang Nguyen

Applicant(s)/Patent under Reexamination

KURATA ET AL

Art Unit

2877

| √ | Rejected |
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|   | Allanad  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|  |  | ш        |              | -        |              |                |  | ,        |                |  |  |
|--|--|----------|--------------|----------|--------------|----------------|--|----------|----------------|--|--|
| Cla  | im   | Γ        |              |          |              | ate            | <del>-</del>                                     |          |                |  |  |
| Final  | Original                                     | 3/24/06  |              |          |              |                |  |          |                |  |  |
|  | 1  | П        |              |          |              |                |  |          |                |  |  |
|  | 2  |          |              | $\vdash$ |              |                | $\neg$   |          | $\neg$         |  |  |
| 1  | 2 3  | 1        | -            | Н        | $\Box$       |                |  |          |                |  |  |
| - 1  | 4  |          |              |          |              |                |  |          |                |  |  |
| 2  | 5  | =        |              | H        | _            |                |  |          | т              |  |  |
| 3  | 6  | 1        |              | $\vdash$ |              |                | _  |          | ·              |  |  |
| 3 4  | 7  | _        |              |          |              |                |  |          | П              | _  |  |
| -  | 8  | _        |              |          |              |                |  |          |                |  |  |
|  | 9  |          |              | П        |              |                | -  |          |                |  |  |
|  | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17 |          |              |          |              |                |  |          |                |  |  |
|  | 11   |          |              | Г        |              |                |  |          |                |  |  |
| 5  | 12   | =        |              |          |              |                |  |          |                |  |  |
|  | 13   |          |              | Г        |              |                |  |          |                |  |  |
|  | 14   |          |              |          |              |                |  |          |                |  |  |
|  | 15   |          |              |          |              |                |  |          |                |  |  |
|  | 16   | Г        |              |          |              |                |  |          |                |  |  |
|  | 17   |          |              |          |              |                |  |          |                |  |  |
|  | 18   |          |              |          |              |                |  |          |                |  |  |
|  | 19   |          |              |          |              |                |  |          |                |  |  |
|  | 20   |          |              |          |              |                |  |          |                |  |  |
|  | 18<br>19<br>20<br>21<br>22                   |          |              |          |              |                |  |          |                |  |  |
|  | 22   | ·        |              |          |              |                |  |          | _              | ′_   |  |
|  | 23<br>24<br>25                               |          |              |          | _            |                |  | _        |                |  |  |
| 6  | 24   | =        | _            | L        |              |                | Ľ.   | <u> </u> | L              |  |  |
|  | 25   |          |              |          | L            | _              | _  | L        | _              | _  |  |
| 7  | 26<br>27                                     | =        |              |          | _            |                | _  |          |                | ļ  |  |
| 8  | 27   | 17       |              |          |              | _              | <u> </u>   | <u> </u> | _              | <u> </u>   |  |
| 9  | 28<br>29                                     | 11       | <u> </u>     | ▙        | _            |                | <u> </u>   |          |                | -  |  |
| 10   | 29   | ₩        | _            | ļ        | ┡            | <u> </u>       | <u> </u>   | _        | -              | _  |  |
| 11   | 30   | #-       | ├            | ┺        | <del> </del> | <del> </del> — | _  | -        | -              | ⊢  |  |
| 12   | 31   | ₩-       | -            | ├        | ⊢            | H              |  | ├        | ⊢              | ├-   |  |
| 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 31<br>32<br>33                               | #-       | -            | $\vdash$ |              | ├              | $\vdash$   | -        | $\vdash$       | $\vdash$   |  |
| 15   | 24   | ₩        |              | ⊬        | ⊢            | ⊢              | ├  | -        | $\vdash$       | -  |  |
| 15   | 34<br>35                                     | ╫        | $\vdash$     | $\vdash$ | ⊢            | -              | $\vdash$   | $\vdash$ | +-             | $\vdash$   |  |
| 17   | 38   | +}-      | $\vdash$     | +-       | -            | $\vdash$       | -  | $\vdash$ |                | $\vdash$   |  |
| 18   | 36<br>37                                     | 1        | <del> </del> | $\vdash$ | -            | -              | $\vdash$   | -        | <del>  -</del> | <del>                                     </del> |  |
| 10   | 38   | 1        | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$       | i –  | ┢        | ┼─             | -  |  |
| <b>-</b>                                     | 38<br>39                                     | -        | ╁            | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$   | $\vdash$ | 1              | _  |  |
|  | 40   | $\vdash$ | $\vdash$     | 十        | $\vdash$     | H              | <del>                                     </del> | $\vdash$ | $t^{-}$        | $\vdash$   |  |
|  | 41   | $t^{-}$  | $\vdash$     | 1        | H            | <u> </u>       | 1  | Т        |                | <del>                                     </del> |  |
|  | 42   | $\vdash$ | T            | $\vdash$ | Н            | $\vdash$       | <del>                                     </del> | 1        | $\vdash$       | 1  |  |
|  | 43   | $t^-$    | T            | T        | $\vdash$     | Г              | Г  | T        | Т              | †  |  |
|  | 44   | T        | T            | T        | Ī.           | 1              | T  | Г        | 1              |  |  |
|  | 45   | T        | 1            | T        | Ė            | T              | T  | T        | T              | T  |  |
|  | 46   | T        | T            | 1        | $\vdash$     |                | 1  | Π        | T              | $T^-$  |  |
|  | 47   | T        | T            | T        | 1            |                |  | T        | 1              | $\top$   |  |
|  | 48   | 1        | T            | Τ        |              | Т              | $\vdash$   | ✝        |                |  |  |
|  | 49   | 1        | 1            | T        | T            | 1              | 1  |          | T              |  |  |
|  | 50   | $\top$   | 1            | T        | 1            | 1              | <del>                                     </del> | Τ        | $\vdash$       | $\vdash$   |  |

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|----------|----------|----------|----------|--------------|--|----------|----------|----------|--------------|---------------|
|          |          | T        | П        | $\neg$       |  |          |          |          |              |               |
| Final    | Original |          |          |              |  |          |          |          |              |               |
|          | 51<br>52 | $\Box$   |          | $\Box$       |  |          | $\Box$   | $\Box$   |              |               |
|          | 52       | _        | $\Box$   |              |  |          |          |          | _            |               |
|          | 53       | $\Box$   |          |              |  |          |          |          |              |               |
|          | 54       | - {      |          |              |  |          |          |          |              |               |
|          | 55       |          |          |              |  |          |          |          |              |               |
|          | 56       | T        |          |              |  |          | $\neg$   |          |              |               |
|          | 57       |          |          |              |  |          | ╗        |          |              |               |
|          | 58       |          |          |              |  |          |          |          |              |               |
|          | 59       |          |          |              |  |          |          |          |              |               |
|          | 60       |          |          |              |  |          |          |          |              |               |
|          | 61       |          |          |              |  |          |          |          |              |               |
|          | 62       |          |          |              |  |          |          |          |              |               |
|          | 63       |          |          |              |  |          |          |          |              |               |
|          | 64       |          |          |              |  |          |          |          |              |               |
|          | 65       |          |          |              |  |          |          | ]        |              |               |
|          | 66       |          |          |              |  |          |          |          |              |               |
|          | 67       |          |          |              |  |          |          |          |              |               |
|          | 68       |          |          |              |  |          |          |          |              |               |
|          | 69       |          |          |              |  |          |          |          |              |               |
| •        | 70       |          |          |              |  |          |          |          |              |               |
|          | 71       |          |          |              |  |          |          |          |              |               |
|          | 72       |          |          |              |  |          | $\Box$   |          |              |               |
| <u></u>  | 73<br>74 |          |          |              |  |          | Щ        |          |              |               |
|          | 74       |          |          |              |  | _        |          |          |              |               |
| <u> </u> | 75       |          |          |              |  |          |          |          |              | _             |
|          | 76       |          |          |              | _  | _        |          |          | _            | -             |
| -        | 77       |          |          |              |  | -        | Н        |          | -            | _             |
|          | 78       | _        | _        | _            |  |          |          |          | _            |               |
|          | 79       |          |          |              | -  |          | -        |          | _            | _             |
|          | 80       |          | _        | $\vdash$     | _  | -        | _        | -        |              |               |
| -        | 81       |          |          |              | _  |          |          |          | <u> </u>     | _             |
| -        | 82       |          | _        | _            | ⊢  | -        | <u> </u> |          | -            |               |
| -        | 83       |          | <u> </u> | <u> </u>     |  | ⊢        | $\vdash$ | <u> </u> | $\vdash$     |               |
| -        | 84       | $\vdash$ | -        | <u> </u>     | $\vdash$   | ⊢        | $\vdash$ | Η-       | $\vdash$     | $\vdash$      |
| <u> </u> | 85       |          | <u> </u> | $\vdash$     | <u> </u>   | ├        | $\vdash$ | H        | <del> </del> | _             |
| -        | 86<br>87 | -        | H        | ├            | <u> </u>   | ├        | $\vdash$ | H        | -            | $\vdash$      |
| -        | 88       | $\vdash$ | -        | -            | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | <del> -</del> |
| <u> </u> | 89       | $\vdash$ | $\vdash$ | $\vdash$     | ├  | $\vdash$ |          |          | $\vdash$     | $\vdash$      |
|          | 90       | H        | -        | <del> </del> | $\vdash$   | $\vdash$ | t        | $\vdash$ | ┢            | $\vdash$      |
| -        | 91       | $\vdash$ |          | Ι.           | <del>                                     </del> | Т        | Т        | $\vdash$ | $\vdash$     | ┢             |
|          | 92       | Н        | _        | $\vdash$     | T  | $\vdash$ | 一        | $\vdash$ | Т            | $\vdash$      |
|          | 93       | $\vdash$ | Г        | Г            | $\vdash$   |          | Η        | Г        | Т            | Π             |
|          | 94       | _        |          | $\vdash$     |  | Т        |          | Ι.       | Τ            |               |
|          | 95       | Г        |          |              |  | Γ        | Г        |          | Т            |               |
|          | 96       | Г        | Г        | Γ            | Γ  | Г        | Г        | Г        |              |               |
|          | 97       | Ι        |          | Г            | Г  |          |          |          | Г            |               |
|          | 98       |          |          | L            |  |          |          |          |              |               |
|          | 99       |          |          |              |  |          |          |          |              |               |
|          | 100      | т—       | T        |              |  | 1        |          | 1        | _            |               |

| Cli          | aim                             | Date         |          |             |          |              |          |                                     |          |                |
|--------------|---------------------------------|--------------|----------|-------------|----------|--------------|----------|-------------------------------------|----------|----------------|
|              |                                 |              |          | $\neg \top$ | П        |              | П        |                                     |          |                |
| Final        | Original                        |              |          |             |          |              |          |                                     |          |                |
|              | 101<br>102                      |              |          | $\Box$      |          |              |          | $\neg$                              | Ī        |                |
|              | 102                             |              |          |             |          |              |          | П                                   | 一        |                |
|              | 103                             | .            |          |             |          |              |          | $\neg$                              | 一        | $\neg$         |
|              | 104                             |              |          |             |          |              |          | П                                   | $\neg$   |                |
|              | 104<br>105                      |              |          |             |          |              |          |                                     | コ        | T              |
|              | 106                             |              |          |             |          |              |          |                                     |          |                |
|              | 107<br>108                      |              |          |             |          |              |          |                                     | $\Box$   |                |
|              | 108                             |              |          | $\Box$      |          |              |          |                                     |          | _              |
|              | 109                             | Ш            |          |             |          |              |          |                                     | _        |                |
|              | 110<br>111                      |              |          | $\dashv$    |          |              |          |                                     | _        | _              |
|              | 111                             | <u> </u>     |          |             |          |              |          | _                                   | _        | _              |
|              | 112<br>113                      | _            |          |             |          |              |          |                                     | $\dashv$ | ႕              |
|              | 113                             | -            | _        | $\vdash$    | -        | $\vdash$     |          |                                     | $\dashv$ | $\dashv$       |
| -            | 115                             |              | H        | -           |          | -            |          | $\dashv$                            | $\dashv$ | $\dashv$       |
|              | 115<br>116                      | $\vdash$     | $\vdash$ | Н           |          |              |          |                                     | $\dashv$ | $\dashv$       |
|              | 117                             | $\vdash$     | -        |             |          |              |          |                                     | $\Box$   | $\dashv$       |
|              | 118                             |              |          | П           | _        |              |          |                                     |          |                |
|              | 110                             |              |          | П           |          |              |          |                                     |          | ╗              |
|              | 120                             |              |          |             |          |              |          |                                     |          |                |
|              | 121                             |              |          |             |          |              |          |                                     |          |                |
|              | 120<br>121<br>122               |              |          |             |          |              |          |                                     |          |                |
|              | 123<br>124<br>125<br>126<br>127 | _            |          |             |          |              |          | Ш                                   |          |                |
|              | 124                             | _            | <u> </u> | Ш           | _        |              | _        |                                     |          | _              |
|              | 125                             | <del> </del> | -        |             | _        |              |          | _                                   | _        |                |
|              | 120                             | _            |          |             | _        |              | _        | _                                   | Н        | $\dashv$       |
|              | 128                             | -            | ⊢        | $\vdash$    | -        |              | -        |                                     |          | $\dashv$       |
|              | 129                             | $\vdash$     | ┝        | $\vdash$    | $\vdash$ | $\vdash$     | _        |                                     | _        | $\blacksquare$ |
| <del></del>  | 128<br>129<br>130               | $\vdash$     | $\vdash$ | $\vdash$    | _        | -            | Н        |                                     |          | $\neg$         |
|              | 131                             | H            | ┪        | _           | _        |              | ┪        | П                                   | П        |                |
|              | 131<br>132                      |              |          |             |          |              |          |                                     |          |                |
|              | 133                             |              |          |             |          |              |          |                                     |          |                |
|              | 134                             |              |          |             |          |              |          |                                     |          |                |
|              | 135                             | 匚            | $\Box$   |             |          | L            |          |                                     |          |                |
|              | 136<br>137                      |              | 1_       | $\Box$      |          | 匚            | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | oxdot    | Ш              |
| <u> </u>     | 137                             | $\vdash$     | $\vdash$ | _           | <u> </u> | -            | <u> </u> | <u> </u>                            | <u> </u> |                |
|              | 138                             | $\vdash$     | ⊢        | <u> </u>    | -        | <del> </del> | ├—       | <u> </u>                            | <u> </u> | Н              |
|              | 139<br>140                      | -            | ┝        | ├           | -        | -            | ⊢        | <del> </del>                        | -        |                |
| -            | 140                             | -            | ╁        | ⊢           | -        | $\vdash$     | -        | $\vdash$                            | ┝        |                |
|              | 141                             | 1-           | $\vdash$ | ╁           | -        | -            | $\vdash$ | ┢                                   | $\vdash$ | $\vdash$       |
| <del> </del> | 143                             | $\vdash$     | ╁        | $\vdash$    | ╁        | $\vdash$     | _        | 一                                   | 一        | Н              |
| $\vdash$     | 144                             | t            | Т        | $\vdash$    | ┢        | Ť            | $\vdash$ | T                                   | $\vdash$ | Н              |
| $\vdash$     | 145                             | Т            | T        | T           | T        | Т            | t        |                                     |          |                |
|              | 146                             | T            | $\vdash$ |             |          |              |          |                                     |          |                |
| ٠,           | 147                             |              | Г        |             |          |              |          |                                     |          |                |
|              | 148                             |              |          |             |          |              |          | 匚                                   |          |                |
|              | 149                             | $\Box$       |          |             | 匚        | 匚            | 匚        |                                     | 匚        | $\sqsubseteq$  |
|              | 150                             | Γ            |          |             |          | Γ            | l        | ١ _                                 | 1        |                |